

What is claimed is:

- Sub A1*
1. A mold or former for producing a natural or synthetic rubber article having on its surface a release composition comprising a water-borne high Tg polymer formed from:
 - (1) at least one hydrophobic monomer; and
 - (2) at least one hydrophilic monomer,wherein said water-borne polymer has a Tg of at least -10°C.
 2. The mold or former of claim 1 wherein said water-borne polymer comprises an emulsion polymer.
 3. The mold or former of claim 2 wherein said water-borne polymer has a particle size of from 0.05 to 1.5 microns.
 4. The mold or former of claim 3 wherein said water-borne polymer has a particle size of from 0.15 to 0.9 microns
 5. The mold or former of claim 1 wherein said hydrophobic monomer comprises styrene.
 6. The mold or former of claim 1 wherein said hydrophilic monomer is an acid monomer.
 7. The mold or former of claim 1 wherein said mold release composition further comprises a surfactant.
 8. The mold or former of claim 1 wherein said release composition further comprises microspheres.
 9. The mold or former of claim 1 wherein said release composition further comprises a dispersant.

10. The mold or former of claim 1 wherein said water-borne polymer further comprises a cross-linker.

11. The mold or former of claim 1 wherein said release composition further comprises a rheology modifier.

12. The mold or former of claim 1 wherein said release composition further comprising a coagulant.

13. The mold or former of claim 1 wherein said high Tg polymer comprises:

- a) from 20 to 35 percent by weight of methacrylic acid;
- b) from 65 to 80 percent by weight of styrene; and
- c) from 0.5 to 1.5 percent by weight of a crosslinker.

14. The mold or former of claim 1 wherein said release composition is free of silicon compounds.

15. An article comprising a formed natural or synthetic rubber article having thereon a coating composition comprising a water-borne high Tg polymer formed from:

- (1) at least one hydrophobic monomer; and
- (2) at least one hydrophilic monomer,

wherein said water-borne polymer has a Tg of at least -10°C .

14. The article of claim 12 wherein said article is powder-free.

15. A process for making a glove comprising:

- (a) immersing a glove former in a coagulant solution containing a release composition comprising a water-borne polymer with Tg of at least -10°C formed from at least one hydrophobic monomer, and at least one hydrophilic monomer, producing a coated former;

- (b) immersing said coated mold into a natural rubber latex to coat the former with said latex;
- (c) immersing the latex coated former into a inner surface coating composition;
- (d) curing the latex in an oven; and
- (e) removing the finished glove from the former.

16. The process of claim 14 wherein step (a) comprises two separate steps comprising:

- a.1) immersing said ceramic former into said water-borne polymer release composition; and
- a.2) immersing said release coated ceramic former into a coagulant solution.

17. The process of claim 14 wherein said the latex coated former of step (b) is leached in water prior to step (c).

18. A release composition comprising:

- a) a water-borne high Tg polymer formed from at least one hydrophobic monomer; and at least one hydrophilic monomer, wherein said water-borne polymer has a Tg of at least -10°C;
- b) a coagulant.

19. The composition of claim 17 wherein said coagulant is a calcium salt.

20. The composition of claim 17 further comprising microspheres.

21. The composition of claim 17 further comprising a rheology modifier.

22. The composition of claim 17 further comprising a surfactant.